## **Nutrient Budget Worksheet**

S.F.C.						31 - Ja		
Landowner:	Mitchell Poultry Fa	rm			Field No.	5	52 /	Acres
				1.				
Purpose (Check al								
	oly nutrients for plant		*********			trient sourc	e	
Minimize agricul	tural nonpoint source	pollution	✓ Mainta	n or impro	ve soil cond	lition	en California de Aprilla de Santos	merennen en eren sign
							9.4.2.342.	
		nce/Rotation	·			Expecte		
	Berr	nuda		new years		5 to	on	
	Nutrient C	ontent of Manure p		☑ Ton	T lba	(4000 mg)		2.1
N Test	N Remaining			N TON	1 105	./1000 gal.		
43	21.5		O <sub>5</sub>			K <sub>2</sub>		
	21.3				Managhiasa	3(		ACCUS ETIMOSOS EST
<u> </u>		Current So	il Tool Lav					
N	Р	K Current So			601	180/	E/	<del></del>
0	54	153	pi		SOI	VI 70	EC	<del>,</del>
			ð.					
Recommend	led Nutrients to Mee	t Expected Vield a	nd Grace I	etabliebn	nent (Sec	Tables in 5	on Standa	rd)
N	N for Grass Est.	P <sub>2</sub> O <sub>5</sub>	K2		Lir		Oth	
250	N IOI CIGSS ESC	9	4		LII	118	Our	161
				5 				
		Nutrion	t Sources			****		
	Grehs	Muthen	Cources				752 T	
راها راه والمراه والمحارث والم	s from previous leg	ime crop	aran, alaasii	32.2				
	ong-term manure a							
3. Irrigation water		Spiroda on				on sin il lace		
4. Other (Atmosph			(	)				Transfer & F
5.		Total Credits	(		(		0	
	Applical Villians					ق <sub>ا</sub> رة ا		o 1
			Alt. 1	Alt. 2	Alt. 1	Alt. 2	Alt. 1	Alt. 2
6. Fertilizer	Starter							
	Other		179			¥		
7.	Manure or Organ	ic by-products	71		200	194	99	
8.	Total Ap	plied Nutrients	250	0	200	0	99	0
	ts (add lines 5 and 8 p	lus N from Soil Test)	250	0	200	0	99	0
10.		nded Nutrients	250	250	9	9	43	43
	ent Status (subtract		0	-250	191	-9	56	-43
	ive number, this is the							•
ır ılne 11 is a positiv	e number, this is the	amount by which th	e applied n	utrients ex	ceed the c	rop require	ments.	
	t Decision - Including r per acre plus 179 lbs					Selected Al	ternative:	1
5.5 tons pountly inter	t het acte hins 119 ins	. Ul actual N per acre	to reach 5 t	on yiela ga	ai.			
					1			
Ctrl + d clears wo	orksheet					N. Salatan		

	OKLAHOMA PHOSP	HORUS ASS	ESSMEN	T WORKSHEET	
Client Name:	Mitchell Poultry Farm	Field(s):	6	Date:	2/21/2007
Planner:	Eric Daniels	Location:	7/20/2025	Crop:	Berm
Nutrient Limited W	atershed (yes/no): Yes			Ctrl + C clears worksheet	40.00
Soil Test P Index Mehlich III (lbs./ac)		118			**************************************
Application Method	Surface applied and incorporated within 7 days or injected 2" below the surface	Surface applied or inc than 7 days after		Surface applied on frozen or snow covered ground	
		X			
Land Slope %	0-8% X	8.1 - 15	%	>15.1 %	
Erosion Rate Greater Than "T"	No A A A A A A A A A A A A A A A A A A A		Ye	<b>S</b>	
	None	Occasion	nativ I		
Flooding Frequency	X	Occasion	iony	Frequently	
Distance of Manure Application to	> 100 ft. or Buffer Strip Estab	lished		0 - 100 ft.	
Perennial Stream, Pond, Well, or Sinkhole					
Distance of Manure	> 50 ft. or Buffer Strip Establ	ished		0 - 50 fi	
Application to Intermittent Stream	*				
Depth of Soil	> 20.1 in. <b>X</b>	10.1 - 20	) in.	0 - 10 in:	
Rock Fragments in soil surface 3" to 10 " in diameter and exceed 50% by weight	No			Yes	
or > 10" in diameter and exceed 25% by weight					a di Historia
Rocks > 10" in diameter which cover	No	7		<b>Y</b> es	
> 3% of the soil surface	X शिक्त विस्वासकार	To CANADA SA	A Versa San Fall San		
Acceptance of the second of th	1242 1 2111 1211 1211 1211				and a supplied to the supplied
Moderate Rating	Apply up to the of the crop: Ap up to 300 lbs/ac runoff. Application rate  Apply at full rate  Apply up to the of the crop: Ap up to 300 lbs/ac runoff. Application application may	plication of up to P2O5 when app tion of up to 400 n is designated, lication at least 3 be made between February 1 thr	of P2O5 annu 200 lbs/ac P lied through lbs/ac P2O5 no more than 30 days apart en June 20 th	ally not to exceed the Nitroge 205 when surface applied. A sprinkler irrigation and mana when incorporated within 7 d 1/2 the allowed rate of P205. On occassionally flooded so rough September 20. Application on established cool season	application of ged to prevent ays. When a will be oils, ation may also

# **Nutrient Budget Worksheet**

7/6								
	Mitchell Poultry Fa	rm			Field No.	6	14 /	Acres
Purpose (Check al		e de la companya de						
Budget and supplement     Budget an	ply nutrients for plant	production	✓ Utilize of the last of	organic ma	terial as nul	rient source	)	
Minimize agricul	tural nonpoint source	pollution	✓ Maintai	n or impro	ve soil cond	ition		
		nce/Rotation				Expected	d Yield	
	Bern	nuda	**************************************			5 to	n	
		ontent of Manure p		<b>▽</b> Ton	lbs	/1000 gal.		
N Test	N Remaining		O <sub>5</sub>			K <sub>2</sub> (		
43	21.5	6	0			30		
<b>N.</b>		Current So						
N O	P 440	K	pl		SO	/1%	EC	
0	118	84	5.3	3 				
Pecommon	lad Nutrients to Mar	t Expected Viold o	ed Cross F	atabliah		Tables in F	OO Ctando	
N	led Nutrients to Mee  N for Grass Est.	P <sub>2</sub> O <sub>5</sub>	K2		Lin		90 Standa Oth	
250	it ioi Giass Est.	0	<u> </u>				- Oili	101
230		U	7:		1.	9		175-7717-578-60
2.63		Nutrion	4.6	Maria Mi		2.1		
	Gregeffus Tax	Nutren	t Sources			**************************************		
1. Nitrogen credit	s from previous leg					B		
	ong-term manure a							
3. Irrigation water		эрнсацон						ing single in the
4. Other (Atmosp			0					
5.		Total Credits	0		CONTRACTOR OF THE CO	MARKET CARROLLEGE	0	
	Applied Nutrients				P	ō) <sub>1</sub>	X X	(a)
	100		Alt. 1	Alt, 2	Alt. 1	Alt. 2	Alt. 1	Alt. 2
6. Fertilizer	Starter	to a state deligation of the State of the Colors Control of the Co						· · · · · · · · · · · · · · · · · · ·
	Other	and the same of	179					
7.	Manure or Organ	ic by-products	71		200		99	
8	Total Ap	plied Nutrients	250	0	200	0	99	0
9. Total Nutrien	ts (add lines 5 and 8 p	lus N from Soil Test)	250	0	200	0	99	0
10.		nded Nutrients	250	250	0	0	75	75
	ent Status (subtract		. 0	-250	200	이	24	-75
	ive number, this is th							
if line 11 is a positi	ve number, this is the	amount by which th	e applied n	utrients ex	ceed the c	rop require	ments.	and the contraction
	nt Decision - Including r per acre plus 179 lbs							1.
				y				
:	e sampling for							
						•		
								<u>-</u>
Ctrl + d clears w	orksheet							

Planner:			Field(s):	10	Date:	2/21/2007
	Eric Da	niels	Location:	7/20/2025	Crop:	Berm
Nutrient Limited W	atershed (yes/no):	Yes			Ctrl + C clears worksheet	
Soil Test P Index		e <b>s</b> tra los establicacións de la constanción de				and the day in the con-
Mehlich III (ibs./ac)			296			
Application Method	Surface applied and in days or injected 2" I		Surface applied or in than 7 days afte x	corporated more r application	Surface applied on frozen or show covered ground	
Land Slope %	0-8	%	8.1 - 1	5 %	> 15.1 %	
		A STATE OF THE STA	100	(Alaculatelage) 14		Odos Popularios
rosion Rate Greater Than "T"	No.			Υ Υ	<b>9S</b>	
looding Frequency	Nor	e	Occasio	nally	Frequently	
	x					
Distance of Manure Application to Perennial Stream, Pond, Well, or Sinkhole	> 100 ft.	or Buffer Strip Establi x	shed		0.~100.in.	
Distance of Manure Application to Intermittent Stream	> 50 ft.	or Buffer Strip Establis	shedi		0 - 50 ft.	
Depth of Soil	> 20.	in.	10.1 - 2	0.in.	0 - 10 Jn.	
Rock Fragments in oil surface 3" to 10 " in diameter and xceed 50% by weigh or > 10" in diameter and exceed 25% by weight		Në			Yes	
Rocks > 10" in iameter which cover > 3% of the soil surface		No ×			Yes	
<u>a and a sample of the same of</u>		e - Mergrenes Albin	લા પૈલાળકર થતે.	The Court	SHIGH CHOS	<u> </u>
	en e					
						enga en la companya de la companya
High Rating	Apply at half rate	of the crop: App up to 150 lbs/ac runoff. Applicati Split Application applied per appl application may	ollowing rates olication of up to P2O5 when aption of up to 200 is designated, ication at least be made between the street of the page 1990 of	of P2O5 anno o 100 lbs/ac l olied through I lbs/ac P2O5 no more tha 30 days apar en June 20 ti	pally not to exceed the Nitrog P2O5 when surface applied. Sprinkler irrigation and man- when incorporated within 7 on 1/2 the allowed rate of P2Ost. On occassionally flooded shrough September 20. Applied on established cool season	Application of aged to prevent days. When a soull be soils, cation may also

# **Nutrient Budget Worksheet**

Landowner:	Mitchell Poultry Far	m		****	Field No.	10	22 A	cres
Purpose (Check al								
	oly nutrients for plant		✓ Utilize o	rganic ma	terial as nut	rient source	•	
Minimize agricult	tural nonpoint source	pollution	✓ Maintair	or improv	e soil cond	ition		
				Aiki i				
		nce/Rotation				Expected		
	Bern	nuda	and an over the same of			5 to	n Trust to the second	THE PERSON
				✓ Ton		14000		
31 7		ontent of Manure p		N ION	I IDS.	/1000 gal.		
N Test	N Remaining		O <sub>5</sub>			K₂(		
43	21.5		0		777 757 757	30		
						7. d 2. k 2		
N,		Current So			801	<b>*0</b> /	E/	
N 0	P 206	K 494	pł		SON	170	EC	<u>,                                     </u>
U	296	184	5.8					
Pecommenc	led Nutrients to Med	t Evpected Vield a	nd Grass F	stablishn	ant (Sea 1	ables in 5	90 Standa	rd)
N	N for Grass Est.	P <sub>2</sub> O <sub>5</sub>	K2		Lin		Oth	
250	it ioi Giass Est.	0	34		LIII	-		···
250		U Company	34 		New Tarens			
		Nutries	t Sources	The state of the state of			<u> </u>	
	Comments	Nutrier	en number of the second					5 A TW
1 Nitrogon credit	s from previous leg	Urro crop		<b>57</b> (2) (3) (4)				
The state of the s	ong-term manure a							
3. Irrigation water		opiication	<del></del>			ة لا مداه المحد البائدة	en e	A SECTION
4. Other (Atmospi			0					
5.		Total Credits	0		C	)	0	
	and the property of the Assertance of the Assert					ō <sub>1</sub>	k K	O stall at
			Alt. 1	Alt. 2	Alt. 1	Alt. 2	Alt. 1	Alt. 2
6. Fertilizer	Starter							
	Other		214					
7.	Manure or Organ	ic by-products	36		100		50	
8.	Total Ap	plied Nutrients	250	0	100	0	50	
9. Total Nutrien	ts (add lines 5 and 8 p	olus N from Soil Test)	250	0	100	0	50	(
10.	Recomme	nded Nutrients	250	250	0	0	34	34
	ent Status (subtract		0	-250	100	0	16	-34
	ive number, this is th							١.
If line 11 is a positiv	ve number, this is the	amount by which th	ie applied n	utrients ex	ceed the c	rop require	ments.	er 2 miles State
								4
Nutrient Managemen	nt Decision - Including r per acre plus 214 lbs	method, rate, form an	d timing of a	pplication.	Producer	Selected Al	ner Acre	1
11.6 tons poultry litte	r per acre plus 214 lbs	i. Of actual N per acre	to reach 5 t	on yield go	Jai. 1.0 ton	ECCE IIIIe	pei Aore.	
					•			
and the second								
Ctrl + d clears w	orkeboot							

	OKLAHO	MA PHOSP	HORUS ASS	SESSMEN	T WORKSHEET	
Client Name:	Mitchell Por	ultry Farm	Field(s):	12	Date:	2/21/2007
Planner:	Eric Da	niels	Location:	8/20/2025	Crop:	Berm
Nutrient Limited Wa	atershed (yes/no):	Yes			Ctrl + C clears worksheet	
Soil Test P Index Mehlich III (lbs./ac)			181			i i i i i i i i i i i i i i i i i i i
Application Method	Surface applied and in days or injected 2"		Surface applied or in than 7 days after		Surface applied on frozen or snow covered ground	
	0-8	0/.	8.1 - 1	E:0/	AF (10)	
Land Slope %	x		0.1-1	J 76	> 15.1 %	
Erosion Rate Greater	No.	)		Υe	Se	
Than "T"	x				<u>₹</u>	
Plan Ban Farm	Nor		Occasio	onally	Frequently	
Flooding Frequency	X					
Distance of Manure Application to	> 100 ft.	. or Buffer Strip Estat	lished		0 - 100 ft.	
Perennial Stream,						
Pond, Well, or		×				
Sinkhole		and the second second				
Distance of Manure	> 50 ft.	or Buffer Strip Estab	lished		0 - 50 ft.	
Application to Intermittent Stream		<b>x</b>				
Depth of Soil	> 20.	1 in	10.1 - 2	0 in.	0 - 10 in.	
Depair or con	×					
Rock Fragments in soil surface 3" to 10 " in diameter and		No			Yes	
exceed 50% by weight or > 10" in diameter and exceed 25% by weight		×		1.		
Rocks > 10" in diameter which cover		No			Yes	
> 3% of the soil surface		×				
<u> </u>		e - New Joe Lake	HERE PERSONAL	Mint still	EUR SUS	And the state of the state of the
*						
		* - * *				
·						
					<u>·</u>	11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
			iManetoi N			
High Rating	Apply at half	of the crop: Ap up to 150 lbs/ac runoff. Applica Split Application	pplication of up to P2O5 when ap ation of up to 200 on is designated	to 100 lbs/ac F plied through 0 lbs/ac P2O5 , no more than	rally not to exceed the Nitrogo P2O5 when surface applied. A sprinkler irrigation and mana when incorporated within 7 on 11/2 the allowed rate of P2O	Application of aged to prevent days. When a will be
14.4		application ma	y be made betwo en February 1 th	en June 20 ti	t. On occassionally flooded s nrough September 20. Applic 0 on established cool season	ation may also

# **Nutrient Budget Worksheet**

Landowner:	Mitchell Poultry Fa	ırm			Field No.	12	10	Acres
Purpose (Check al								
	oly nutrients for plant				aterial as nu		ce c	
Minimize agricul	tural nonpoint source	pollution	✓ Mainta	in or impro	ve soil con	dition		
	00							
		nce/Rotation	<del></del>			Expecte		
	Den	muda				5 t	on	No. of Contraction
	Nutrient (	Content of Manure p	Or	₩ Ton	l lbs	./1000 gal.		
N Test	N Remaining		<sub>2</sub> O <sub>5</sub>	74 1011	, 103	K <sub>2</sub>	^	
43	21.5		205 30			3		
	And the particular of the second of the seco	Current So	il Test Lev	rels	4			
N	Р	К	р		SO	M%	E	c
0	181	126	5.					
	Maria Cara							
Recommend		et Expected Yield a			nent (See `	Tables in t	590 Standa	ard)
N	N for Grass Est.	P <sub>2</sub> O <sub>5</sub>	K2	.0	Lir	ne	Oth	ner
250	DEVA STANDER SELECTION OF STANDER OF SE	0	5	0	2.	5		
		Nutrien	t Sources			Francis Carlotte		
1 Nitrogen eredite	eredits from previous leg		<b>7</b> 2.12.75.0			C)		0). (j.).
	ong-term manure a						100	
3. Irrigation water	ong-term manure a	pplication						
4. Other (Atmosph	ere. etc.)							
5.	,	Total Credits					2-10 <b>30</b> -1-10	
	Applied Nutrients		Section 1		a ve ep	(c)		68.31
			Alt. 1	Alt. 2	Alt. 1	Alt. 2	Alt. 1	Alt. 2
6. Fertilizer	Starter							
	Other		214					
7.	Manure or Organ		36		100		50	
8.		plied Nutrients	250	0	100	0	50	0
9. Total Nutrient 10.		olus N from Soil Test)	250	0	100	0	50	0
	nt Status (subtract	ine 10 from 0)	250	250	0	0	50	50
If line 11 is a negation			al nutrients	-250	100		0 mandation	-50
If line 11 is a positiv	e number, this is the	amount by which th	e annlied n	needed (C utrients ex	reed the c	ron require	mente	
						rop require	monto.	
Nutrient Management	Decision - Including	method, rate, form and	timing of a	pplication.	Producer	Selected A	ternative:	1
1.6 tons poultry litter	per acre plus 214 lbs	. of actual N per acre	to reach 5 t	on yield go	al. 2.5 ton	ECCE lime	per Acre.	
a second								
								4
Ctrl + d clears wo	rksheet			\$ 1. H. C. NO. 10				
= = = Sidere Wo	.,			<b>地名</b> 纳鲁美				A 18 6 5

	OKLAHO	MA PHOSP	HORUS ASS	ESSMEN	T WORKSHEET	
Client Name:		ultry Farm	Field(s):	13	Date:	2/21/2007
Planner:	Eric D	aniels	Location:	8/20/2025	Crop:	Berm
Nutrient Limited W	atershed (yes/no):	Yes			Ctrl + C clears worksheet	
Soil Test P Index Mehlich III (lbs./ac)			166			
Application Method	Surface applied and days or injected 2"	incorporated within 7 below the surface	Surface applied or in than 7 days after		Surface applied on frozen or snow covered ground	
	0-4	B %	8.1 - 15	: o/		
Land Slope %	•		0.1 - 10	7 70	> 15.1 %	
	N	0				
Erosion Rate Greater Than "T"		<u> </u>		Ye	S	
	No		Occasio	nally	Frequently	
Flooding Frequency	<b>&gt;</b>				Trequeraty	
Distance of Manure Application to	> 100 f	t. or Buffer Strip Estab	lished		0 - 100 ft.	
Perennial Stream, Pond, Well, or Sinkhole						
	> 50 ft	or Buffer Strip Establ	ished		0 - 50-ft.	
Distance of Manure Application to Intermittent Stream		x	io iou		V-30-ii.	
Depth of Soil	> 20.		10.1 - 2	0 in.	0 - 10 in	· · · · · · · · · · · · · · · · · · ·
Rock Fragments in soil surface 3" to 10" in diameter and exceed 50% by weight or > 10" in diameter		No			Yes	
and exceed 25% by weight						
Rocks > 10" in diameter which cover > 3% of the soil		No			Yës	
surface	والمراجعة والمستحد والمراجع ويراجع والمراجعة والمستحدة والمراجعة والمستحدة والمراجعة و	X		************************************		
<u> </u>		e etakari giri	niist valuadada	Nation (Spain)	euge sauge	
High Rating	Apply at half rate	of the crop: Ap up to 150 lbs/ac runoff. Applica Split Application applied per app application may	following rates of plication of up to P205 when apption of up to 200 in is designated, lication at least to be made between February 1 the	of P2O5 annua o 100 lbs/ac P died through s lbs/ac P2O5 v no more than 30 days apart. en June 20 th	ally not to exceed the Nitroger 205 when surface applied. A sprinkler irrigation and managwhen incorporated within 7 da 1/2 the allowed rate of P205. On occassionally flooded so rough September 20. Application on established cool season	pplication of ged to prevent ays. When a will be bils, tion may also

# **Nutrient Budget Worksheet**

								716
Landowner:	Mitchell Poultry Fa	rm			Field No.	13	8 /	Acres
Purpose (Check all								
	ly nutrients for plant		✓ Utilize	organic ma	terial as nut	rient sourc	е	
Minimize agricult	tural nonpoint source	pollution	✓ Maintai	in or impro	ve soil cond	lition		
		nce/Rotation				Expecte	d Yield	
	Berr	nuda		are the state of t	Dis co. 2000 beautiful and the	5 to	on	
		4.5						
		ontent of Manure p		₩ Ton	l lbs	./1000 gal.		
N Test	N Remaining		O <sub>5</sub>			K <sub>2</sub>	0	
43	21.5		30			30	)	
2. 6				. Ac				
		Current So						
N	P 100	K	pl		SOI	/I%	E	
0	166	122	5.	3	Charles and the first state of the	and the state of the lands		
	ed Nutrients to Med							
. N	N for Grass Est.	P <sub>2</sub> O <sub>5</sub>	K2		Lin		Oth	er
250		0	5.	2	1.	2	77 MARIE AND THE STREET	
10.000 555 200 500 500 500 500		Nutrien	t Sources					255
	Giejility				i d	0,1		(0)
	from previous leg		· · · · · · · ·					
	ong-term manure a	pplication						
					15 X 2 X 2	NEW COMPANY		DECK TO SECTION
<ol> <li>Other (Atmosph</li> <li>.</li> </ol>	iere, etc.)	Total Credits	(					
5.	Applied Nutrients	Total Credits	980 404 424 50		A BR	A PRODUCT OF THE PRODUCT OF THE		6
			Alt. 1	Alt. 2	Alt. 1	Alt. 2	Alt. 1	Alt. 2
6. Fertilizer	Starter	TORING CO.	AIL I	AIL. Z	AIL I	AJI, Z	Alt. 1	7(1. 2
o. Teranzer	Other		214					
7.	Manure or Organ	ic by-products	36		100		50	
8.		pplied Nutrients	250	Ó	100	0	50	0
	ts (add lines 5 and 8		250	0	100	0	50	0
10.		nded Nutrients	250	250	0	0	52	52
11. Nutrie	nt Status (subtract	line 10 from 9)	0	-250	100	0	-2	-52
If line 11 is a negati	ive number, this is th	e amount of addition	al nutrients	needed to	meet the	crop recon	mendation	1.
If line 11 is a positiv	e number, this is the	amount by which th	e applied r	utrients ex	ceed the c	rop require	ments.	
	t Decision - Including							1
1.6 tons poultry litter	r per acre plus 214 lbs	s. of actual N per acre	to reach 5 t	on yield go	al. 1.2 ton	ECCE lime	per Acre.	
		<u> </u>						
Ctrl + d clears wo	orksheet					N CLA		

	OKLAHOMA P	HOSPI	HORUS A	SS	ESSMEN	T WORKSHE	ET	
Client Name:	Mitchell Poultry Fan		Field		Hayes		Date:	2/21/2007
Planner:	Eric Daniels		Locati	on:	8/20/2025		Crop:	Berm
Nutrient Limited W	atershed (yes/no):	res .		·		Ctrl + C clears wo	orksheet	
Soil Test P Index Mehlich III (lbs./ac)			7	70		<u>1 + 15, 13, 1515 [51, 21, 23, 23]]</u>   1   1   1   1   1   1   1   1   1   1	- 7	
Application Method	Surface applied and incorporated days or injected 2" below the	ed within 7 surface		s after	corporated more application	Surface applied on froz covered groun		
	0-8%		0	x 1:- 15	0/			
Land Slope %	×			1 10	76	> 15.1 %		
E	No	2 5 T AT	Programme and					25 Mars 18 Jan 18
Erosion Rate Greater Than "T"	NO X				Ye	9\$		<u> </u>
F1 11 -	None	-1, - 5 - 2 - 1	Oc	casion	allv	Frequently		
Flooding Frequency	x					i requerity	,	
Distance of Manure Application to	> 100 ft: or Buffe	Strip Estab	lished			0 - 100 ft.		
Perennial Stream, Pond, Well, or Sinkhole	million (million) The state of participation (million)	**************************************						
Distance of Manure Application to	> 50 ft. or Buffer	Strip Establi	ished			0 - 50 ft.		
Intermittent Stream		<b>K</b>						
Depth of Soil	> 20.1 in.		10	1 - 20	in.	0 - 10 in.		
•	×		·					
Rock Fragments in soil surface 3" to 10 " in diameter and exceed 50% by weight		lo				Yes		
or > 10" in diameter and exceed 25% by weight		<b>K</b>						
Rocks > 10" in diameter which cover > 3% of the soil		lo:				Yes		
surface		x Outubili	insi Wajinga	216	lesse sooti	ત્રાં મુખ્યત્		
**************************************								
			· · · · · · · · · · · · · · · · · · ·					V sa a sa s
Moderate Rating	of the oup to 3 runoff. Split A applied applica be made	up to the crop: Application may le between the comment of the comm	following ra plication of a P2O5 when tion of up to n is designat lication at le be made be	tes o up to appl 400 l ed, r ast 3 twee	200 lbs/ac Plied through lbs/ac P2O5 no more than 0 days apart on June 20 th	ally not to exceed to 205 when surface sprinkler irrigation when incorporated 1/2 the allowed rate. On occassionally rough September 20 on established co	applied. A and manage within 7 date of P2O5 of flooded so	pplication of ged to prevent ays. When a will be oils, tion may also

# **Nutrient Budget Worksheet**

Landowner:	Mitchell Poultry Fa	rm			Field No.	Hayes	16	Acres
Purpose (Check al								
	oly nutrients for plant				aterial as nu		e:e	
Minimize agricui	tural nonpoint source	THE RESERVE AND ASSESSED TO SELECT AND ADDRESS OF A PERSON OF	✓ Mainta	in or impro	ve soil con	dition		
	0							24.6
		nce/Rotation nuda				Expecte		
	Den	nuda		er seed over in the		5 t	on	
	Nutrient C	ontent of Manure p	Tor	₩ Ton	C lbs	./1000 gal.		
N Test	N Remaining		O <sub>5</sub>	37 1011	) IDS			
43	21.5		30 30			K <sub>2</sub>		
						ن ا	U (s) iii saattaan	
		Current So	il Test Lev	rels				
N	Р	K	pl		so	M%	E	
0	70	86	6.			1170	- Lu \	
Recommend	ed Nutrients to Med	et Expected Yield a	nd Grass E	Stablishr	nent (See	Tables in t	90 Standa	rd)
N	N for Grass Est.	P <sub>2</sub> O <sub>5</sub>	K2		Lir	<del></del>	Oth	
250		0	7:	3	(	)		
		Nutrien	t Sources					
	្រុំស្តែឡា					O)	Ş	0)
	from previous leg							16
	ong-term manure a	pplication						
3. Irrigation water		-					and the second second	S. Section Section
4. Other (Atmosph 5.	ere, etc.)	T-4-10 - 17						
5.	Applical Nutrients	Total Credits	0		(		0	A
			Alt. 1	Alt. 2	Alt. 1	Alt. 2	Alt. 1	Alt. 2
6. Fertilizer	Starter		Aut. 1	AIL Z	Att. 1	AIL. Z	AIL I	All. Z
	Other		179					
7.	Manure or Organ	ic by-products	71		200		99	
8.		plied Nutrients	250	0	200	0	99	0
9. Total Nutrient	S (add lines 5 and 8 p		250	0	200	0	99	0
10.	Recomme	nded Nutrients	250	250	0	0	73	73
	nt Status (subtract		0	-250	200	0	26	-73
If line 11 is a negative	ve number, this is the	e amount of addition	al nutrients	needed to	meet the	crop recom	mendation	
If line 11 is a positiv	e number, this is the	amount by which th	e applied n	utrients ex	ceed the c	rop require	ments.	MARKET COM
3.3 tons noultry litter	Decision - Including per acre plus 179 lbs	of actual N per acre	to reach 5 t	pplication.	Producer	Selected A	ternative:	1
oro tone pountly fittor	por dore plus 115 lbs	. or actual it per acre	to reach 5 t	on yielu go	ai.			
		ina. <u>Tanàna mandritry ny taona mandritry</u>						
Ctrl + d clears wo	rksheet			100				

# DRY ANIMAL WASTE APPLICATION WORKSHEET

	00 00 00			ν <sub>2</sub> Ο	7										Γ	Γ					are er mts
	) Veeld V		-		4									_	L		L	L	_		vill be u lis that diamet diamet fragmee the soil nally a is
(   E   1   1   1   1   1   1   1   1   1	Applied / ieldieda (Ibs/ac)			P20s																0	nless an buffers wal; On sol niches in niches in ere rock ter than to occasion of the are
(3)6)7				N 120	6/1	179	179	179	214	214	214	179								1,537	nkholes u  tth of all I  nt materie e 3 to 10 i solls whe vels grea s that are
ाडका हुन		oelow)	000	202	2002	1,500	5,300	1,400	1,100	200	400	1,600	0							12,600	, well, or slient (the will) or slient (the will) or are ace layer ar weight; Or weight; Or roding at le l'"; On soil oruary 1 and
inione de la company.	(Dialization	ysis: (enter l	+		1,600	3,000	10,600	2,800	2,200	1,000	800	3,200	0			_				25,200	tream, pond strip is pressinches in the surficed 25% by On areas e ion below "fetween Febretween Fe
(१) हिंदि		Manure Analysis: (enter below)	4	3	+	-	-	~	788	358	287	1,147	0						ᅱ	4	perennial si perennial si hed buffer siss than 10 k fragments eter and exciptions) reduce eros iber 20 or b
direction.	The state of the s	(Column C ×		20.00	70.07	20.00	176.67	46.67	36.67	16.67	13.33	53.33	0.00							420	following situations: To areas within 100 feet of a perennial stream, pond, well, or slinkholes unless an 50 feet of an intermittent stream unless an established buffer strip is present (the width of all buffers will be used To fields or portions of fields with >15%; To soils less than 10 inches in depth to parent material; On soils that are covered, or water saturated; On soils where the rock fragments in the surface layer are 3 to 10 inches in diameter and exceed 25% by weight; On soils where rock fragments in the surface and the slope is >8% (see soil map descriptions); On areas eroding at levels greater than the soil lies unless following a conservation plan that will reduce erosion below "T".; On soils that are occasionally slonally flooded soils between June 20 and September 20 or between February 1 and April 20 if the area is jht at the time of application).
	ALC: NO.	Column F x (Col			1	-		3.33	1.67	1.67	1.67	3.33	00.0			_					eas within 1 ream unless is with >15%; On soils w rare >10 inc is >8% (see servation pl sen June 20 n).
The reference	MARINE TO A 100 1 M - 117	Colur 14)		(	7)	3	3.	3.	1.	1.	1.	.3.	.0								Namoas s: To ar nittent st so of fielc aturated ace layer he slope ng a con nils between
्रीतिः जीहरू १९५१	Applications Rate By Field (Ibs/ac/vr)	Phosphorus	Assessment Tool	27.3	202	200	200	200	100	100	100	200	0								ng situation of an intern s or portion , or water s in the surfirrace and triess following the of a settime o
3 (C) (S)	5.00			限 (3) (4) (4)	ဂ	5	5	5	5	5	5	5									he followi in 50 feet ); To field v covered fragments the soil su guilles un casionally eight at th
	10 m	Kotation if used)			permuda	bermuda									Do not apply manure or organic by-products in the following situations: To areas within 100 feet of a perennial stream, pond, well, or sinkholes unless an established buffer strip is present; To areas within 50 feet of an intermittent stream unless an established buffer strip is present; To areas within 50 feet of an intermittent stream unless an established buffer strip is present; To areas within 50 feet of an intermittent stream unless an established buffer strip is present; To areas within 50 feet of an intermittent stream unless an established buffer strip is present; To fields or portions of fields with ~15%; To soils less than 10 inches in depth to parent material; On soils where rock fragments in the surface layer are >10 inches in diameter and exceed 50% by weight; On soils where rock fragments in the surface layer are >10 inches in diameter which covers >3% of the surface layer are >10 inches in diameter which covers >3% of the surface layer are >10 inches in diameter which covers >3% of the surface layer are >10 inches in diameter which covers >3% of the surface layer are >10 inches in diameter which covers >3% of the surface layer are >10 inches in diameter which covers >3% of the surface layer are >10 inches in diameter which covers >3% of the surface layer are >10 inches in diameter which covers season grasses 4 inches in height at the time of application).  Additional Application Notes and Recommendations						
	X 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				0.8	15.0	53.0	14.0	22.0	10.0	8.0	16.0	0.0							146.0	organic by- is present; I for applicati soils that are soils that are the which co water erosi ste may be a son grasses
					10.0	17.0	100.0	15.0	24.0	82.0	8.0	19.0								275.0	Y manure or buffer strip the distance coded; On a 50% by well les in diame ce, "T", from reption: Was to cool seas to cool
					-	2	5	9	10	12	13	Hayes								<b>Fotals</b>	o not applistabilished sa set bac requently find exceed re >10 inch oss toleran looded (Exceed Exceed

# Manure and Wastewater Handling and Storage Component

Manure and Wastewater Handling Management Plan: Identify manure and wastewater handling & storage required for the CNMP Plan, both existing and planned practices. This would include practices that are being cost-shared through USDA Farm Programs.

Oklahoma Planned Conservation Practice(s (NRCS Code)	Tract#	Field #	Planned Amount (Number, Acres, or Feet)	Year Planned to be Applied / Installed
317 Composting Facility				Installed
				1
				<u> </u>
				<del> </del>
				<del>                                     </del>
The same of the sa				

#### Land Treatment Component

Field Sites Proposed for Land Application of Animal Waste

Planned Land Treatment: Identify land treatment practices in the CNMP Plan to address the resource concerns such as soil, water, and wind erosion, management of crops and grasses for fields that are proposed for land application. This would include practices that are being cost-shared through USDA Farm Programs.

Oklahoma Planned Conservation Practice(s) (NRCS Code)	Tract#	Field#	Planned Amount (Number, Acres, or Feet)	Year Planned to be Applied / Installed
528 Prescribed Grazing		All		
590 Nutrient Mangement		All		
		1		
		1		<del> </del>
and the second s				

#### Soil Testing Plan

Soil test(s) will be taken every 3rd year where manure nutrients are being applied. Soil testing will be more often (usually each year) for fields located in a "Nutrient Limited Watershed" (NLW) as determined by the Oklahoma Water Resources Board and their website is: <a href="http://www.owrb.state.ok.us/">http://www.owrb.state.ok.us/</a>. Samples should be submitted to the local Oklahoma State University Extension Center in each county. Soil tests will be taken before the first animal waste application of the year. Yield goals must be provided to obtain proper crop recommendations. This testing should include analysis for specific information to develop the nutrient management plan such as, pH, nitrogen, phosphorus, and potassium. When using manures, additional testing of micronutrients and soil salinity management should be evaluated periodically as a part of the soil testing program. For liquid waste systems a "soil salinity management test" should be performed annually to monitor soil salinity. The soil salinity management test can be performed along with the routine soil test using the same soil sample. The Oklahoma State University Lab will perform these tests. For more information their website is: <a href="http://www.soiltesting.okstate.edu/">http://www.soiltesting.okstate.edu/</a>.

Using other soil testing labs in Oklahoma or other states is permitted, however, the lab shall use the same phosphorus and potassium extractant (Mehlich-3) used by the OSU Laboratory and shall be based on the same requirements of those used at OSU. Also, the lab used shall be a member of the North American Proficiency Testing Program.

OSU Fact Sheet 2207: Soil Sample Procedures

OSU Production Technology PT 2003-5: SOP for Collecting and Handling Soil Samples in Oklahoma

OSU Fact Sheet 2901: Procedures Used by OSU Soil, Water, & Forage Laboratory

OSU Fact Sheet L-241: OSU Laboratory Price Brochure

## Manure and Wastewater Testing/Analysis Plan

Manure shall be analyzed annually in Nutrient Limited Watersheds (NLW) and every three years in Non-Nutrient Limited Watersheds (NNLW). The analysis should be performed as close to time of land application as possible from each storage structure. The manure analysis should include the following tests: % Solids, Total N, Organic N, NH4 or NH3, P2O5, K2O, and pH. Oklahoma State University Extension performs manure analysis. Check with your local OSU County Extension Office for more information. Additional Animal Waste Management Publications from Oklahoma State University Extension are located on the http://www.animalwaste.okstate.edu/extension.htm following website:

OSU Laboratory Website: <a href="http://www.soiltesting.okstate.edu/">http://www.soiltesting.okstate.edu/</a>
OSU Manure Sampling Fact Sheet-2248: <a href="mailto:Sampling Animal Manure">Sampling Animal Manure</a> OSU Soil Salinity Fact Sheet L-241: Soil Salinity Fact Sheet

Additional Animal Waste Management Publications from Oklahoma State University Extension are located on the following website: http://www.animalwaste.okstate.edu/extension.htm

## **Nutrient Management Application Component**

Field Sites Proposed for Land Application of Animal Waste

Planned Nutrient Management Application: Identify fields and amount of allowable animal waste to be

Oklahoma Planned Conservation Practice(s) (NRCS Code)	Tract#		Acres	Spreadable acres	Tons/Ac.	Total Tons
633 Waste Utilization		All	275	146	3	420
			1			
The second of th						
						* .

## **Nutrient Application Equipment Calibration**

HOW CAN I CALIBRATE MY MANURE SPREADER? There are three methods of calibrating spreaders, Tarp Method, Swath Width and Distance Method, and Loads/Field Method.

- TARP METHOD:
- Application Rate (tons/acre) =
- lbs. of litter on tarp x 21.8
- width of tarp (ft.) x distance traveled (ft.)
- SWATH WIDTH & DISTANCE METHOD: Application Rate (tons/acre) = lbs. of litter in spreader X 21.8 swath width (ft.) x distance traveled (ft.)
- LOADS PER FIELD METHOD: Determine the weight of a spreader load. Count the number of loads applied to a field. Use the total weight of manure and the number of acres covered to determine the application rate. If you are not able to weigh your spreader, for estimation purposes, you can use the volume capacity of your equipment to approximate the total weight of the load in pounds. Although the bulk density of litter can be highly variable, the following conversions can be used for "average poultry litter":

1 cubic foot of litter = 30 pounds, and 1 bushel of litter = 35 pounds.

COMMERCIAL APPLICATORS: Commercial Applicators are responsible for calibration of their equipment and keeping records of the land application rates, volumes of poultry litter applied, and landowners where poultry litter has been applied.

LANDOWNER APPLICATIONS: Landowners who apply their own poultry litter are responsible for keeping records of the land application rates, volumes of poultry litter applied, and transfers of poultry litter to other landowners.

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Nutrient Content of Poultry Animal Waste: Identify nutrient availability from manure by the testing of animal waste. Note: The manure analysis figures for "Available Nitrogen, P<sub>2</sub>O<sub>3</sub>, and K<sub>2</sub>O" will need to be reduced to account for land application losses.

Animal Waste Lab Used: Oklahoma State University	homa State University	Date of Animal Waste Tests: 5/22/06	te Tests: 5/22/06	
Available Nitrogen (Ibs/ton): 21.5 (Use 50% of Available N		P <sub>2</sub> O <sub>5</sub> (lbs/ton): 60 (Use 90% of Available P <sub>2</sub> O <sub>5</sub> )	K <sub>2</sub> O (lbs/ton): 30 (Use 90% of Available K <sub>2</sub> O)	20)
Total Available lbs "N": 21.5	Total Available lbs "P <sub>2</sub> O <sub>5</sub> ": 60	"P <sub>2</sub> O <sub>5</sub> ": 60	Total Available lbs "K <sub>2</sub> O": 30	0:: 30
Watershed Category: Non-NL(Table 8) or NL(Table 9)	8) or NL(Table 9) Table 9	Name o	Name of Watershed: Illinois River	
	pes I (s) de I	1 ah(s) Used: A&L Analytical Laboratories, Inc.	es, Inc.	

EININ NIA /NIAMA	SAII Tost No	Date of Test	Soll Test "P"	Field No./Name	Soil Test No.	Date of Test	Soil
11610 NO.1148110	399293		34	Hayes	413695	5/22/06	20
2	399294	1/5/06	98				
ı	399295	1/5/06	54				
c	413698	5/22/06	118				
10	413709	5/22/06	296				
12	413701	5/22/06	181				
13	413702	5/22/06	166				
2							

Oklahoma Phosphorus Assessment Tool (OPAT) Ratings and Rates for Land Application Areas: Ratings: Low, Moderate, High, Very High, Severe Rates: Full Rate, Full Rate/Split Applications, Half Rate, Plant Removal, No Application Ratings: Low, Moderate, High, Very High, Severe

Field No.	OPAT Ratings	OPAT Rates	FIBIG IVO:	מבשו שמוואם	TIBIO YOU CLAT DATE NO.		
1	Low						
C	Moderate	LIL					
1	2000	-					
Ŋ	<u></u> 80	- Lui					
Q	Managerato	-					
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43	Lich	ŢņĽ T				-	
2	1.6						
Havec	Moderate	J.					
20,00	2000						

Oklahoma Comprehensive Nutrient Management Plan Document